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THE CENTER LINE

MONTANA HIGHWAY COMMISSION

Vol. II No. 8 September 1959

Last month - on August 17th - one of nature's unexplainable events occurred causing the loss of many lives and untold property damage. Highway Department personnel were among the first to be affected by the earthquake and slide and we are extremely proud of the role played by our men. It was immediately apparent to our section men in the area that our roads had suffered heavy damage and the entire forces of the Bozeman Division were soon mobilized and the contractors who had equipment nearby were alerted.

The highway maintenance office and Mr. Quinnell were also notified. As soon as it was light our plane was over the area and the damage could be assessed. Already on their way were men and machines to build new roads to evacuate people stranded between Hebgen Dam and the slide. The Highway plane radioed for helicopters to evacuate the injured and then remained aloft to transmit messages and direct rescue operations.

It was estimated that 36 hours would be required to get a road into Hebgen Dam but our men did it in 12 hours when they heard of the 250 or 300 people who were stranded.

Many unselfish and heroic deeds will eventually be recorded by the people and agencies on hand that day. It is reassuring to know that such help is forthcoming from so many sources when disaster happens. If we were authorized to award citations, surely the fellows in the Bozeman and Butte Divisions and the contractors who offered the use of their resources would be among the first to receive this honor.

* * *

It appears now that financing for highway construction will be provided and - if all goes well - we plan on resuming our monthly lettings in October. We can never recover the lost time as two months of ideal weather has elapsed since the July letting. But we'll do the best we can to get the program back on the road.

* * *

A decision has been made to construct the Raynolds Pass road to Primary standards and to request Primary designation for that route as an emergency measure. Eventually, we fully expect to build a new road around Quake Lake but not until the area settles down and becomes more stable. There are still lots of loose rocks which would be a definite hazard to any action in that area.

Roads will be rebuilt now from West Yellowstone to Hebgen Dam thereby giving the Forest Service and The Montana Power Company access to Hebgen Dam and all the resources of the Gallatin and Beaverhead National Forests. Undoubtedly the area will become a major attraction to tourists.

* * *

All Training Program examinations will be given on October 8, 1959 in the Division Headquarters and Helena Headquarters in the same general manner as before. The Engineering Aide Test 50-A for entrance into the Training Program will also be given at this time. Men who are eligible and wish to enter the Program should be notified so they may submit an Application for Examination no later than September 30, 1959. Men who have previously failed the Entrance Examination and wish to re-take it must also submit a new application. Since this examination is given only bi-annually, anyone who does not take the Entrance Exam in October cannot take it until April 1960.

* * *

The following letter will be of particular interest to State Highway Department employees who worked desperately to rescue the victims of the quake. It is from Mr. and Mrs. J. K. Buser of 3302 Maple Street, Harrisburg, Pennsylvania. Addressed to the Montana Department of Highways it says:

"Dear Sirs,

"My husband and I wish to thank your state government for your almost (in our eyes impossible) work in preparing a temporary road to rescue victims of the earthquake in Madison river Canyon.

"We were so sure we would have to wait for days to get out but through the work of those wonderful men and machines we were rescued promptly.

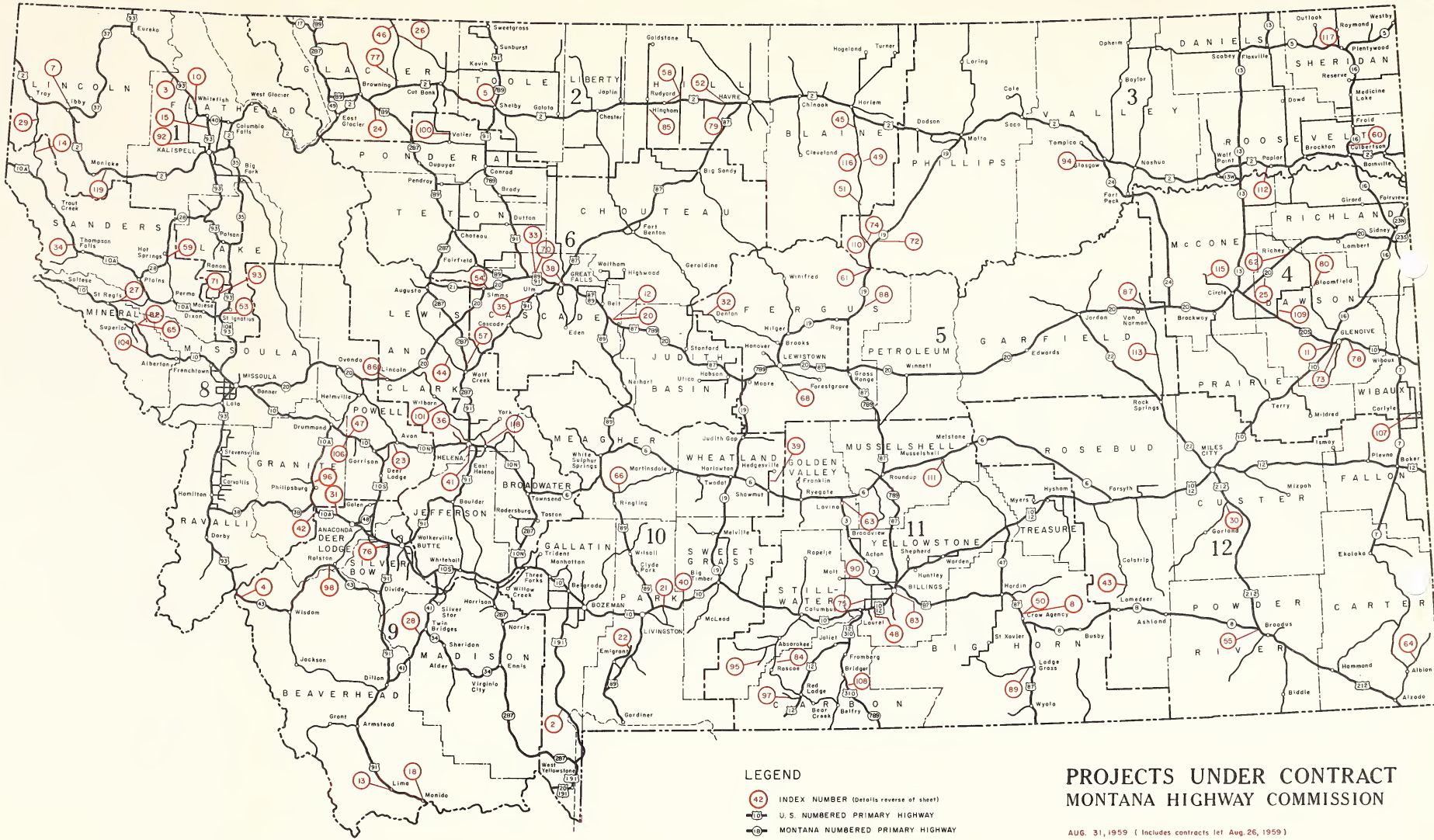
"Although the earthquake cut our Montana vacation short we found out that Montana officials get a job done promptly and efficiently and we will always remember the kind friendly people and hope to return there some day to see more of your beautiful state.

"In the few days we spent at Campfire Lodge we realized that the river and mountains made that place one of the most beautiful spots we had visited and if possible we would like to know of conditions there now and if the section between the dam and landslide can ever be restored.

"Again we thank the people of your state for your kindness to two stranded Pennsylvanians.

"Best regards,"

* * *



PROJECTS UNDER CONTRACT
MONTANA HIGHWAY COMMISSION

AUG. 31, 1959 (Includes contracts let Aug. 26, 1959)

Map Index Number	Project Number	LENGTH, TYPE OF CONSTRUCTION AND LOCATION	Probable Completion Date
2	FHP 42-K2, L3	8.9 miles grading, drainage, surfacing, bituminous surface treatment and two concrete girder bridges, one 122 foot - West Gallatin River, one 105 foot - Taylor Fork (U. S. 191 - South of Bozeman)	1959
3	FHP 12-A4, B3, C2	14.0 miles of surfacing, bituminous plant mix and seal coat oiling (U. S. 93 - Southeast of Eureka)	1959
4	FHP 2Q-A	7.8 miles (1.0 miles in Idaho) grading, drainage and 38 foot reinforced concrete girder bridge - Trail Creek (Montana 43 - West of Wisdom)	1959
5	I-IG-ING 15-8 (3) 351*	5.6 miles (2.9 miles four lane divided) grading, drainage, surfacing, plant mix and seal coat oiling - Three prestressed concrete and steel beam overpasses, two 360 foot G.N. Ry. and U. S. 2, one 276 foot U. S. 91 - North Shelby Interchange (US 91 - Shelby North)	9-1-60
7	FAP - F 118 (7)	698 foot steel and concrete bridge and approaches - Kootenai River (Montana 37 - Libby)	12-31-59
8	IN 90-9 (5) 498 U 1* IN 90-9 (7) 508 U 1*	11.6 miles (4.9 miles four lane divided) grading, drainage, surfacing, plant mix seal coat oiling and fencing (US 87 - Crow Agency North)	10-1-59
10	DF 98 (9)	11.0 miles surfacing, plant mix and seal coat oiling (US 93 - Northwest of Whitefish)	9-15-59
11	U 121 (3) F 130 (15) U1	2.7 miles (2.3 miles four lane divided) grading, drainage, surfacing, plant mix and seal coat oiling - (US 91 - Glendive Southwest)	9-30-59
12	F 235 (26) U1	5.3 miles grading, drainage, surfacing, plant mix and seal coat oiling (U.S. 87 - Southeast of Belt)	9-15-59
13	I-ING 82-01 (6) U 1*	5.0 miles grading, drainage, surfacing and bituminous surface treatment (U.S. 91 - Lima Northwest)	9-1-59
14	FHP 5-A1, B	9.1 miles grading and one 79 foot concrete slab bridge - Bull River (South of Troy)	1960
15	F 100 (8) F 270 (9) F 270 (10)	14.6 miles (7.3 miles grading, drainage, surfacing, plant mix bituminous and seal coat oiling) (7.3 miles plant mix bituminous and seal coat oiling) (US 93 and Montana 40 - Whitefish - South)	9-30-59
18	I-ING 255 (12) U 1*	12.0 miles grading, drainage, surfacing and bituminous surface treatment (US 91 Monida North)	9-1-59
20	F 235 (26) U 2	Nine prestressed concrete beam bridges - two 92 foot - four 102 foot - two 118 foot - one 123 foot - Otter Creek (U. S. 87 - Southeast of Belt)	10-31-59
21	I 117 (10) U 1*	7.8 miles grading, surfacing and bituminous surface treatment, 118 foot concrete bridge - Mission Creek (US 10 - East of Livingston)	9-15-59
22	F 217 (10)	9.7 miles grading, drainage and surfacing (US 89 relocation - North of Emigrant)	9-1-59
23	F-FG 249 (11)	2.6 miles grading, drainage, surfacing, bituminous surface treatment (US 10 N - East of Garrison)	9-15-59
24	F 190 (3)	7.4 miles grading, drainage, surfacing, plant mix bituminous and seal coat oiling (U. S. 87 - Southeast of Browning)	9-1-60
25	DF 391 (9) U 1 F 391 (10) U 1	9.7 miles grading, drainage, surfacing, plant mix and seal coat oiling (Montana 20 - Southwest of Richey)	9-15-59
26	S 189 (2)	32.1 miles surfacing, plant mix bituminous and seal coat oiling (North of Cut Bank)	9-1-59
27	S 216 (2)	3.4 miles grading, drainage, surfacing, plant mix bituminous and seal coat oiling (St. Regis - Northeast)	9-15-59
28	DF 387 (6)	10.5 miles grading, surfacing, plant mix and seal coat oiling (Montana 41 - South of Twin Bridges)	9-1-59
29	S 38 (6)	5.9 miles grading, drainage, surfacing, plant mix and seal coat oiling (South of Troy)	9-1-59
30	S 45 (8)	5.7 miles grading, drainage, and surfacing (Northeast of Garland)	9-15-59
31	DF 164 (11)	12.0 miles plant mix surfacing and seal coat oiling (US 10A - West of Anaconda)	9-15-59
32	S 342 (7)	13.0 miles surfacing, plant mix bituminous and seal coat oiling (Danton West)	9-15-59
33	I 15-5(9) 275 U 1*	8.3 miles four lane divided, grading, drainage, surfacing, plant mix bituminous and seal coat oiling (US 91 - West of Great Falls)	9-1-60
	I 15-5(9) 275 U 3*	8.3 miles fencing (US 91 - West of Great Falls)	9-1-60
34	F-F-90 (4) FH	949 foot steel and concrete bridge - Clark Fork (US 10A relocation - West of Thompson Falls)	7-31-60
35	I 182 (6)*	12.5 miles grading, drainage, surfacing, plant mix oil and fencing - includes 2.4 miles four lane (US 91 - Ulm South)	9-1-59
36	I-IG-ING 15-4(4) 184 U 1*	1607 foot total length dual steel and concrete overpasses - G.N. Ry. & N.P. Ry. (US 91 - Helena)	11-30-60
38	FG 224 (5)	0.2 miles grading, drainage, concrete paving and 76 foot steel beam underpass - G.N. Ry. (US 89 - 2nd Avenue & 1st Avenue North - Great Falls)	9-15-59
39	DS 64 (2) & S 64 (3)	8.7 miles grading, drainage, surfacing and one 57 foot treated timber bridge - Dead Man's Basin Canal (Shawmut North)	9-1-59
40	I 117 (10) U 2*	4.0 miles grading, drainage, surfacing and plant mix oil (US 10 - East of Livingston)	9-1-59
41	US 246 (1)	0.7 miles grading, drainage, surfacing and plant mix oil (East Chanes Gulch and Park Avenue - Helena)	9-15-59
42	F 164 (10) & DF 164 (12)	2.3 miles grading, drainage, surfacing, plant mix bituminous and seal coat oiling (US 10A - West of Anaconda)	9-1-59
43	S 362 (5)	9.0 miles surfacing, plant mix bituminous surfacing and seal coat oiling (South of Colstrip)	9-29-59
44	S 228 (1)	17.8 miles grading, drainage, surfacing & bituminous surface treatment (Wolf Creek - Northwest)	9-1-59
45	S 187 (1) U 1	12.6 miles grading, drainage, surfacing & bituminous surface treatment (South of Harlem)	9-15-59
46	S 185 (1)	3.9 miles grading, drainage and surfacing (North of Cut Bank)	9-1-59
47	I 90-3 (3) 157 U2*	Four prestressed beam bridges - Two 113 foot Jans and two 153 foot Gold Creek Interchanges - four standard junior grade separations (US 10 - East of Drummond)	9-1-59
48	I-ING 90-8 (6) 441*	Eight prestrassed concrete beam bridges - one 457 foot N.P. Ry. & Interstate Highway, three 153 foot - Canyon Creek, three 83 foot - Hogan Slough, one 133 foot Canyon Creek and 0.3 miles grading (US 10 - West of Billings)	9-15-59
49	S 187 (2) U1	14.0 miles of grading, drainage, surfacing and bituminous surface treatment (South of Harlem)	9-15-59
50	IN 90-9 (5) 498 U2* & IN 90-9 (7) 508 U2*	Seven prestressed concrete beam bridges, one 210 foot Montana 8 Interchange, two 118 foot Dunmore interchange, two 133 foot - Crow Agency Interchange, one 165 foot, one 153 foot Little Big Horn River (US 87 - Crow Agency - North and South)	9-15-59
51	S 187 (3) U1	12.6 miles grading, drainage, surfacing and bituminous surface treatment (South of Harlem)	9-15-59
52	F-FG 95 (11) U1	7.1 miles grading, drainage, surfacing, plant mix bituminous and seal coat oiling (U.S. 2 - West of Havre)	9-1-60
53	F 192 (8), F 194 (4), F 197 (6), & F 63 (7)	16.7 miles (14.5 miles grading, surfacing) (8.5 miles drainage), plant mix, seal coat oiling and traffic delineation (US 10A & 93 - North and South of St. Ignatius)	10-14-59
54	DF 176 (6)	5.2 miles grading, drainage, surfacing, plent mix & seal coat oiling (Montana 20 Simms East)	9-15-59
55	DF 198 (4) F 334 (15) U2 DF 334 (16)	20.4 miles grading, drainage, soil cement stabilization, plant mix and seal coat oiling (US 212 & Montana 8 - Broadus West)	9-15-59
57	F 238 (7)	10.5 miles grading, drainage, surfacing, plant mix & seal coat oiling (Montana 33 - North of Wolf Creek)	9-15-59
58	F 132 (7)	12.7 miles (9.0 miles grading, drainage and surfacing) plant mix bituminous and seal coat oiling (U. S. 2 - Hinghan East and West)	9-15-60
59	F 87 (10) U1 DF 87 (11)	9.9 miles grading, drainage, surfacing, plant mix and seal coat oiling (Montana 28 - Near Hot Springs)	9-1-59
60	F 193 (9) & F 273 (10)	7.8 miles grading, drainage, surfacing, plant mix and seal coat oiling (Montana 16 - relocation Culbertson North)	9-15-59
61	F 333 (24)	19.9 miles surfacing, plant mix and seal coat oiling (Montana 19 - From 4.5 Miles South Missouri River North)	7-31-60
62	F 391 (12)	9.0 miles plant mix bituminous surfacing (Montana 20 - Richey West)	9-15-59
63	DF 284 (9)	0.7 miles surfacing and bituminous surface treatment - two steel and concrete bridges, 143 foot - Musselshell River, 102 foot - Big Coulee Creek (Montana 3 - Lavina South)	9-15-59
64	S 196 (1)	11.0 miles grading, drainage, and surfacing (Northeast of Albion)	9-15-59
65	I 90-1 (5) 46*	Two steel riveted plate girder bridges, one 621 foot, one 801 foot, Clark Fork (US 10 - North and South of Superior)	9-30-60
66	S 14 (8)	11.9 miles grading, drainage, surfacing, plant mix bituminous and seal coat oiling - Northeast of Ringling	9-30-59
68	DS 261 (2)	2.2 miles grading, drainage, and surfacing and road mix oil (Southeast of Lewistown)	9-15-59
70	I 15-5 (9) 275 U2*	Three bridges, two 108 foot prestressed concrete beam - Manchester Interchange, one 219 foot steel girder - Vaughn Interchange and two dual concrete slab junior grade separations (U. S. 91 - West of Great Falls)	7-31-60
71	DS 178 (4) S 178 (5)	7.8 miles grading, drainage, surfacing, plant mix bituminous and seal coat oiling, one 75 foot treated timber trestle bridge - Post Creek (Moiese Northeast)	9-15-59
72	DF 333 (19)	14.9 miles surfacing, plant mix and seal coat oiling (Montana 19 - South of Malta)	9-15-59
74	DS 187 (5)	6.4 miles grading, drainage and surfacing (South of Harlem)	9-15-59
75	S 192 (2) U2	6.8 miles grading, drainage, surfacing, plant mix bituminous, seal coat oiling, and three treated timber trestle bridges, one 19 and one 25 foot - Big Ditch, one 25 foot - B.B.W.A. Canal (West of Billings)	9-1-59
76	I-ING 15-2* (8) 118	4.2 miles (2.5 miles four lane divided) grading, drainage, surfacing, plant mix bituminous and seal coat oiling. Three prestressed concrete bridges, one 210 foot Victor Interchange, one 599 foot and one 614 foot B.A. & F. Ry., C.M.S.T. P&P RR, NP RY. and Clark Fork (US 91 - West of Butte)	7-1-60
77	S 248 (2) U1	12.1 miles grading, drainage and surfacing (Northeast of Browning)	7-1-60
78	I 94-6 (2) 216*	4.2 miles grading, drainage, surfacing, plant mix bituminous and seal coat oiling (U. S. 10 - East of Glendive)	7-1-60
79	FG 95 (11) U2	312 foot steel and concrete overpass - G.N. Ry. (U.S. 2 - West of Havre)	11-30-59
80	S 32 (9)	10.0 miles surfacing, plant mix bituminous and seal coat oiling (North and South of Bloomfield)	9-30-59
82	I 90-1 (6) 43 U2*	Three prestressed concrete beam bridges, two 153 foot - Superior Interchange, one 168 foot - Cedar Creek (U. S. 10 - At Superior and East)	7-31-60
83	F-FG 228 (14)	1711 foot prestressed concrete bridge - N.P., G.N., & C.B. & Q. RR. (US 10 - Billings)	10-31-59
84	DS 289 (7) DS 346 (4)	7.7 miles grading, drainage and surfacing (Roscoe North)	9-1-59
85	S 219 (3)	6.0 miles plant mix and seal coat oiling (South of Rudyard)	9-15-59
86	F 267 (10)	16.5 miles surfacing and plant mix bituminous oiling (Montana 20 - Lincoln East and West)	9-15-59
87	S 264 (2)	411 foot prestrassed concrete beam bridge - Big Dry Creek (Northeast of Van Norman)	11-30-59
88	DF 333 (20) & F 333 (21)	12.9 miles soil cement stabilized base, plant mix bituminous and seal coat oiling (Montana 19 - North of Grass Range)	9-30-59
89	S 260 (1)	11.4 miles greeling, drainage, and surfacing (West of Lodge Grass)	10-1-59
90	DS 176 (4)	7.4 miles plant mix and seal coat oiling (Molt - East)	9-15-59
92	S 157 (2)	10.4 miles plant mix bituminous surfacing and seal coat oiling (Kalispell West)	9-30-59
93	S 178 (6)	4.8 miles plant mix bituminous surfacing and seal coat oiling (Northeast of Moiese)	9-15-59
94	S 257 (3)	Three bridges - one 400 foot riveted plate girder, Milk River - one 120 foot concrete T beam, Cherry Creek - one 75 foot treated timber trestle (Glasgow West)	11-30-60
95	S 175 (1)	6.4 miles grading, drainage, surfacing, plant mix bituminous and seal coat oiling (Southwest of Absarokee)	9-15-60
96	F 78 (7)	9.7 miles grading, drainage, surfacing, plant mix bituminous and seal coat oiling (U. S. 10 S - North of Philipsburg)	1-16-60
97	S 274 (2)	3.4 miles grading, drainage and surfacing (West of Red Lodge)	9-15-59
98	F 43 (14) U1	Two bridges, one 235 foot prestressed concrete beam and one 325 foot riveted steel girder - Big Hole River (Montana 43 - East and West of Ralston)	9-30-60
100	S 193 (3)	7.4 miles grading, drainage, surfacing, plant mix bituminous oiling. (Velier Northwesterly)	7-1-60
101	S 2 (7)	7.3 miles grading, drainage, surfacing, plant mix bituminous and seal coat oiling (Wilborn Southeast)	9-1-60
104	I 90-1 (4) 60 U1*	5.0 miles (2.0 miles four lane) grading, drainage, surfacing, plant mix, seal coat oiling and fencing (U. S. 10 - Southeast of Superior)	10-15-59
106	I 90-3 157 U1*	9.6 miles four lane, grading, drainage, surfacing, plant mix, seal coat oiling and fencing (U. S. 10 - East of Drummond)	9-30-59
107	S 95 (3)	7.0 miles grading, drainage, surfacing and one 100 foot treated timber bridge - Beaver Creek (Carlyle)	10-1-60
108	DF 258 (11)	5.8 miles grading, drainage, surfacing, plant mix and seal coat oiling (U. S. 310 - South of Bridger)	9-15-59
109	S 270 (2)	0.2 miles grading and installation two structural plate pipe arches (Southwest of Bloomfield)	9-30-59
110	S 187 (7)	4.2 miles grading, drainage, and surfacing (South of Harlem)	7-1-60
111	S 236 (6) U1	One 193 foot prestressed concrete beam bridge - Musselshell River (At Musselshell)	6-30-60
112	F 84 (26)	9.8 miles grading, drainage, surfacing, plant mix bituminous and seal coat oiling (U. S. 2 - Poplar West)	6-15-60
113	S 258 (2)	1.2 miles grading, drainage and one 225 foot prestressed concrete beam bridge - Little Dry Creek - (North of Rock Springs)	7-31-60
115	S 31 (4)	8.0 miles grading, drainage and surfacing (Northeast of Circle)	11-30-59
116	S 187 (6)	39.3 miles plant mix bituminous surfacing (South of Harlem)	9-15-59
117	S 313 (4)	15.6 miles plant mix bituminous and seal coat oiling (Plentywood North)	9-15-59
118	S 232 (2)	32 foot Concrete Bridge - Prickly Pear Creek (North of East Helena)	10-31-59
119	AR-102-0028-32-05	One 75 foot treated timber pile trestle - Over logging road (U.S. 2 - East of Manicke)	11-30-59

* - Indicates Interstate Syetem Projects